

2001

North American Oil Reserves

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Oil Sands **upgrader**



refinery



Oil

steam assisted gravity drainage

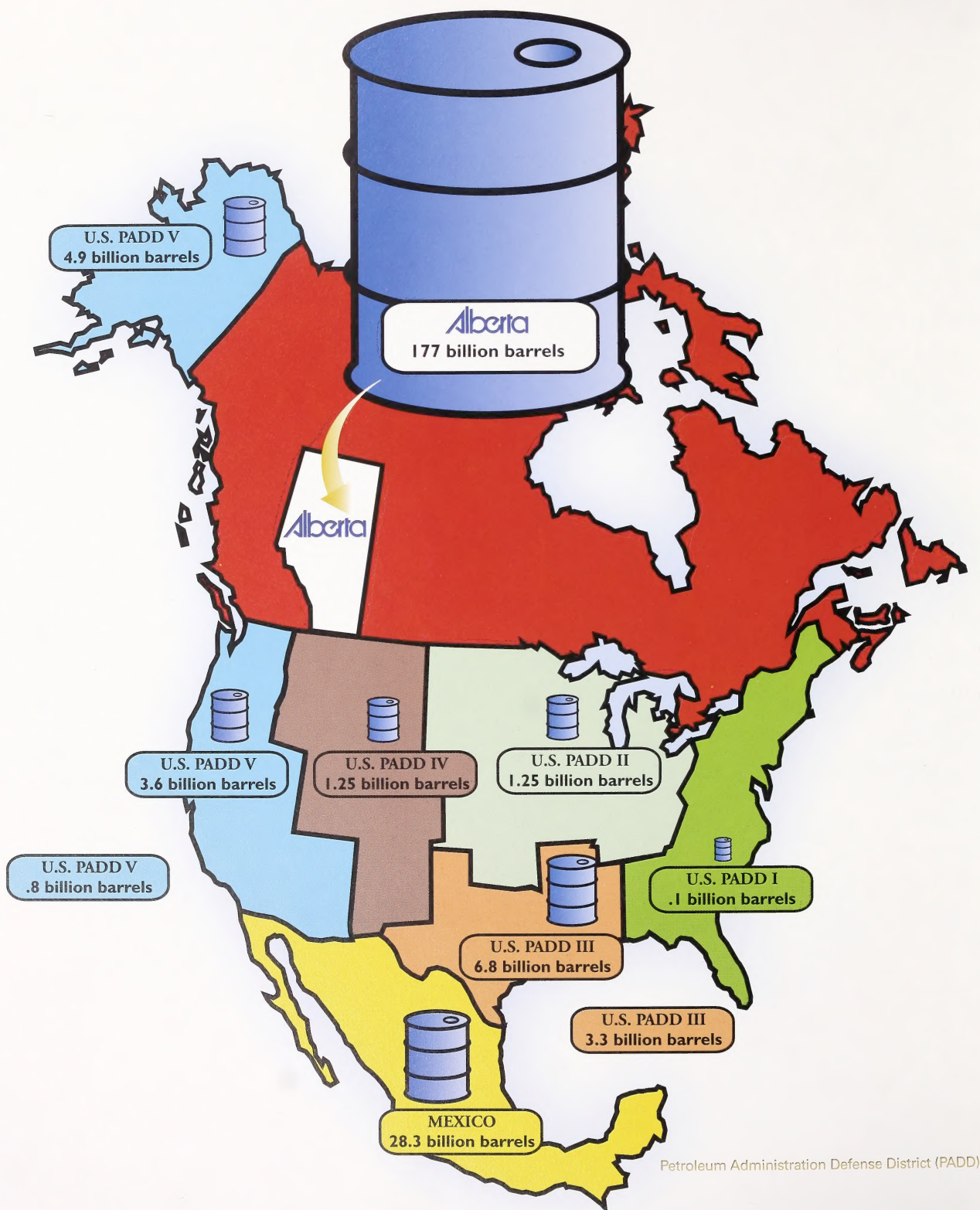
(SAGD)



IN-SITU

North American Oil Reserves 2001

(remaining reserves as of December 31, 2001)



Location	Reference	Billion Barrels
Canada		
B.C.	CAPP	.17
Alberta	EUB*	177.00
Saskatchewan	CAPP	1.14
Manitoba	CAPP	.02
Ontario	CAPP	.01
East Coast Offshore	CAPP	1.00
Mainland Territories	CAPP	.07
Mackenzie Beaufort	CAPP	.34
Total Canada		179.75

**includes oil sands reserves*

USA		
PADD I	US DOE 	.10
PADD II	US DOE 	1.25
PADD III	US DOE 	10.10
PADD IV	US DOE 	1.25
PADD V	US DOE 	9.30
Total USA		22.00

Mexico		
Total Mexico	IPE	28.34

Total North America		230.09
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Reference:
 Alberta Energy and Utilities Board (EUB)
 Canadian Association of Petroleum Producers (CAPP)
 International Petroleum Encyclopedia (IPE)
 United States Department of Energy (US DOE)



Alberta has huge deposits of oil.

- While conventional oil reservoirs are scattered throughout the province, oil sands underlie 140,800 square kilometres (84,480 square miles) of primarily northern Alberta — an area larger than the state of Florida.
- Conventional crude oil deposits contain 60 billion barrels in place, while oil sands contain 1.6 trillion barrels in place.
- Under anticipated economic conditions and using current technology, there are 177 billion barrels of recoverable remaining crude oil reserves.
- Alberta's conventional crude oil generally ranges between 15 to 40 degrees ¹API and is recovered through conventional methods. For heavier oil that is referred to as bitumen, below 15 degrees API, recovery is done through more innovative technologies such as co-production with sand, thermal injection and mining techniques.
- Alberta's oil production in 2001 amounted to 1.5 million barrels per day — 70 per cent of Canada's total petroleum production. Approximately \$85 billion of investment in the development of Alberta's oil sands has been announced from 1996 to 2016. This investment would double current production levels in the province.
- As conventional supplies decrease, oil sands production becomes more important to energy supply in Alberta, Canada and North America.

¹ API (American Petroleum Institute) refers to the accepted standard for measuring and determining crude oil gravity. The lower the degrees API classification, the heavier the crude oil.

For further information www.energy.gov.ab.ca

Hydrocarbon Resources

Generalized Areas of Oil Resources

-  Oil Fields
-  Oil Sands

